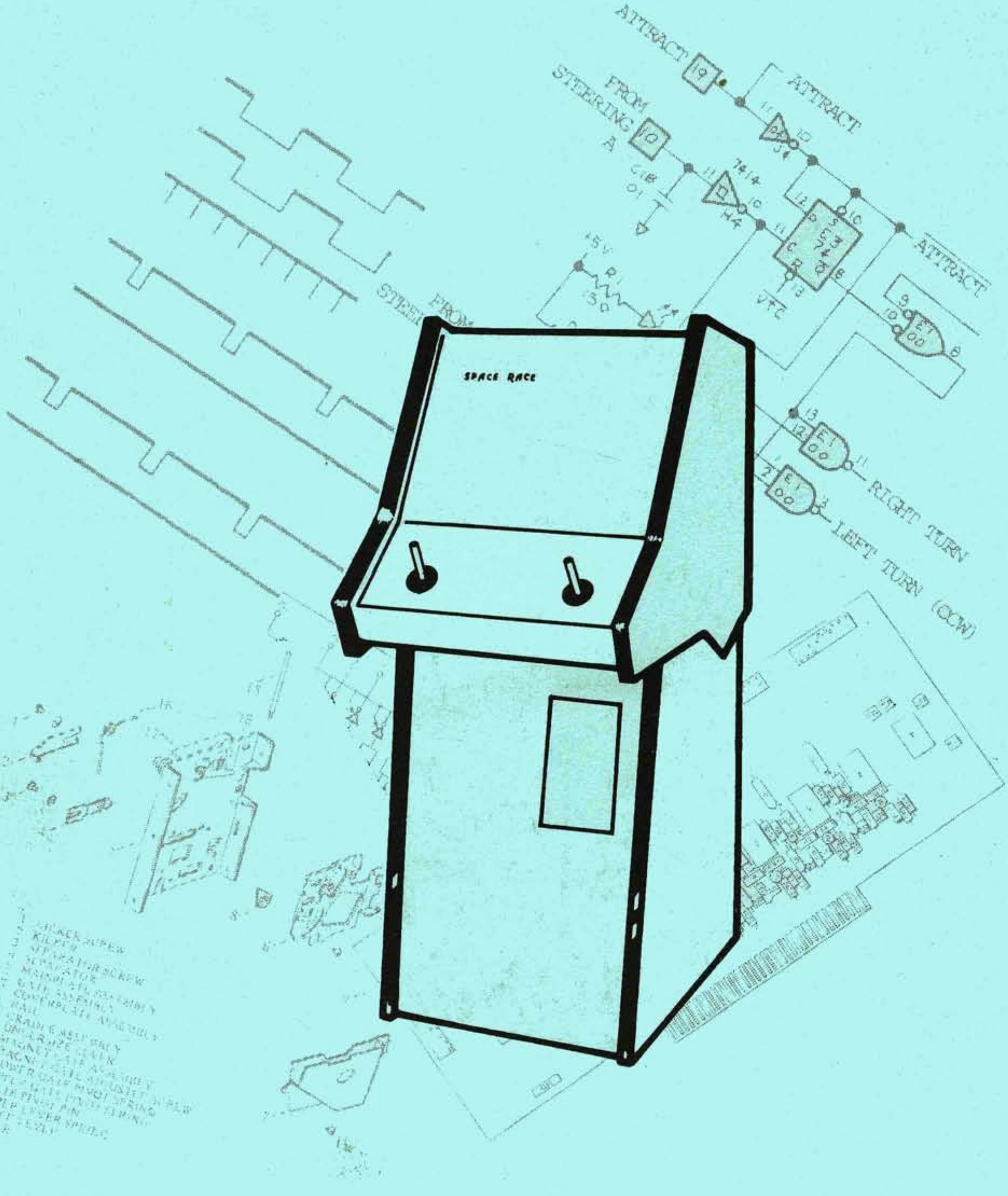
TM-008
KIOSK

SPACE RACE

SERVICE MANUAL

ATARI™



WARRANTY

Seller warrants that its printed circuit boards and parts thereon are free from defects in material and workmanship under normal use and service for a period of ninety (90) days from date of shipment. Seller warrants that its television monitors are free from defects in material and workmanship under normal use and service for a period of thirty (30) days from date of shipment. None of the Seller's other products or parts thereof are warranted.

If the products described in this manual fail to conform to this warranty, Sellers' sole liability shall be, at its option, to repair, replace, or credit Buyer's account for such products which are returned to Seller during said warranty period, provided:

(a) Seller is promptly notified in writing upon discovery by Buyer that said products are defective;

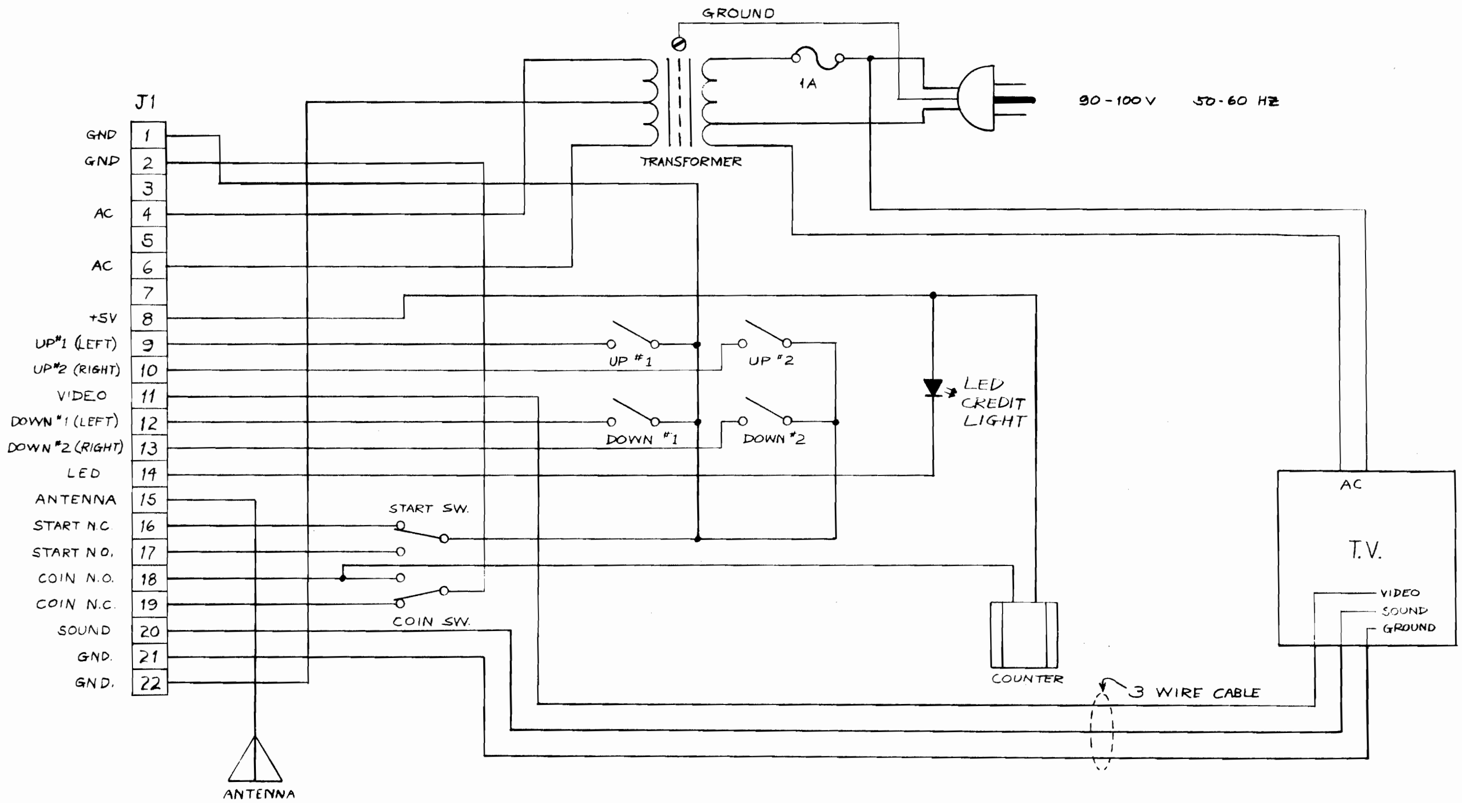
(b) Such products are returned prepaid to Sellers' plant; and

(c) Seller's examination of said products discloses to Seller's satisfaction that such alleged defects existed and were not caused by accident, misuse, neglect, alteration, improper repair, installation or improper testing.

In no event shall Seller be liable for loss of profits, loss of use, incidental or consequential damages.

EXCEPT FOR ANY EXPRESS WARRANTY SET FORTH IN A WRITTEN CONTRACT BETWEEN SELLER AND BUYER WHICH CONTRACT SUPERSEDES THE TERMS OF THIS ORDER, THIS WARRANTY IS EXPRESSED IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE SELLER'S PART, AND IT NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR THE SELLER ANY OTHER LIABILITIES IN CONNECTION WITH THE SALE OF PRODUCTS UNDER THIS ORDER.

REVISIONS				
SYM	DESCRIPTION	INITIALS and DATE DRFTG	CHECK	ENGRG
A	REL. TO PROD. REDRAWN	5/16/74		
B	REV. PER ECN 517	6/24/74		WMP 6/25



1. ALL SWITCHES SHOWN IN THEIR NORMAL POSITIONS

NOTES:

NEXT ASSY	USED ON
	SPACE RACE
APPLICATION	

INTERPRET THIS DRAWING PER USASI Y14.5

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:

FRACTIONS = ±1/16 .x = ±.1
ANGLES = ±1° .xx = ± .03
SURFACE FINISH ✓ .xxx = ± .010

MATERIAL:

DRAWN BY — DATE
CHECKED
DESIGN ENGINEER
PROJECT ENGINEER
DOCUMENT CONTROL

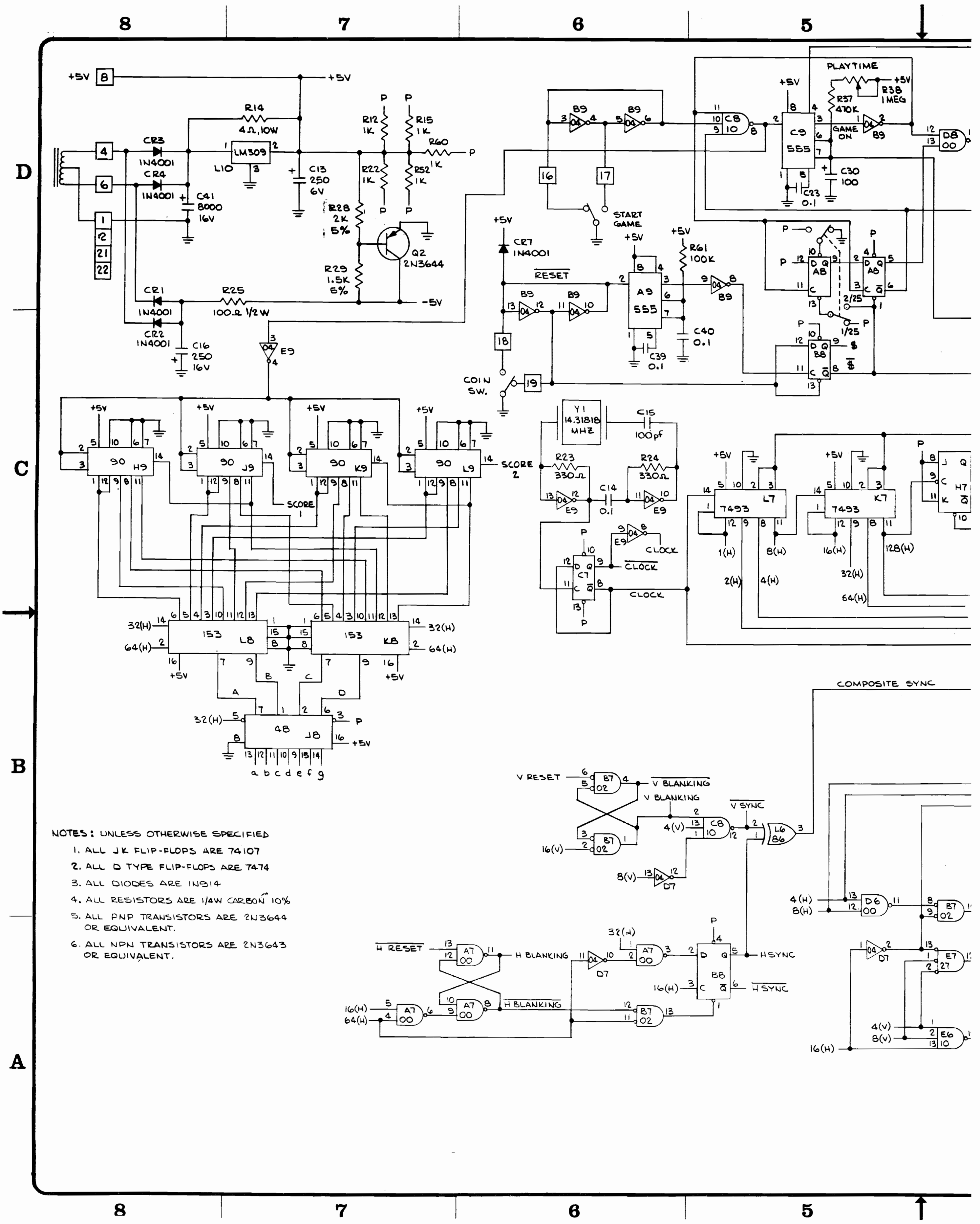
ATARI
ATARI INCORPORATED
14600 Winchester Boulevard
Los Gatos, California 95030

TITLE: WIRING HARNESS S.R.

SIZE	DRAWING NO.	REV
C	000771	B

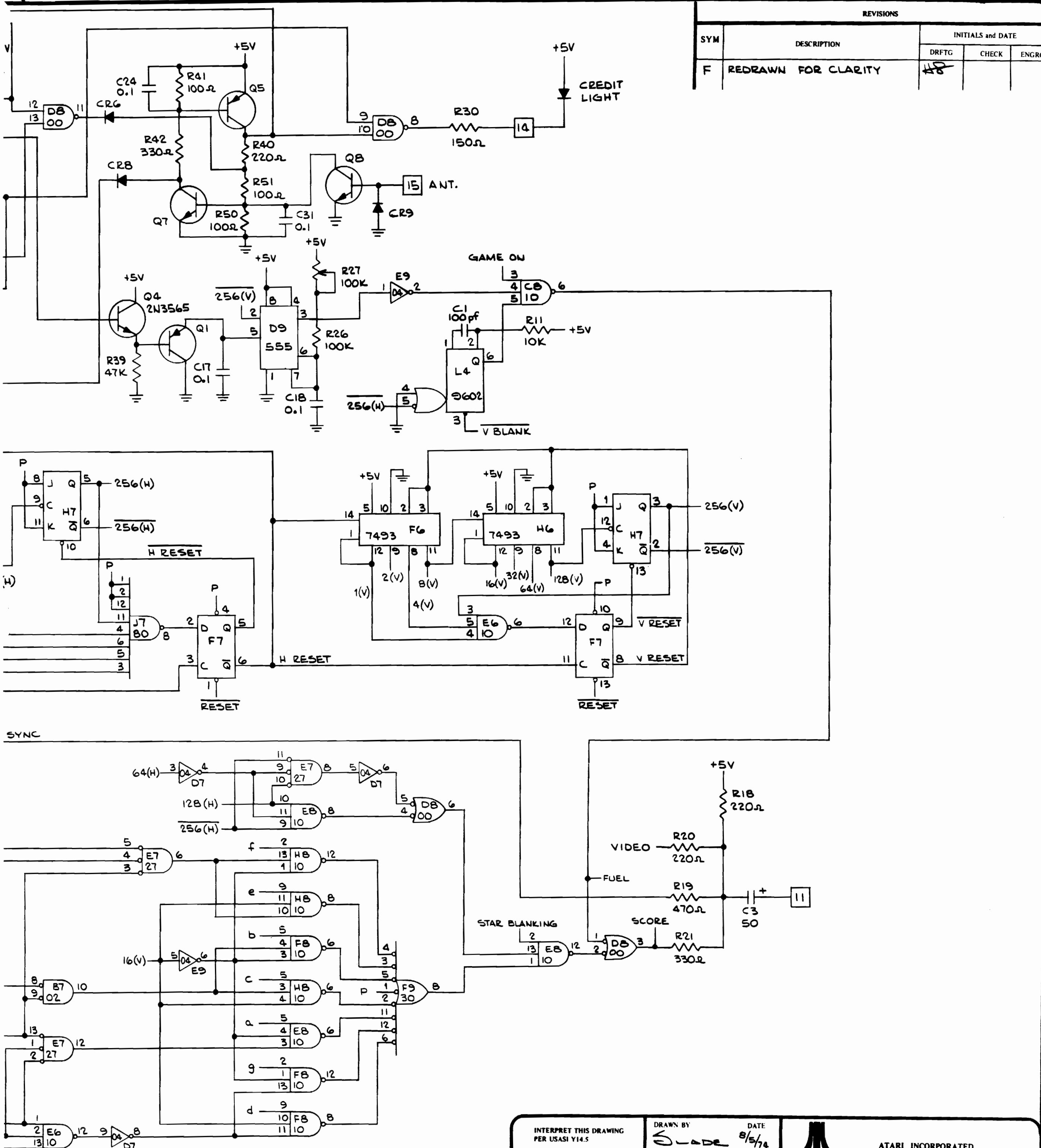
SCALE NONE — SHEET 1 OF 1

DRAWING NO. 000771 — SHEET 1/1 — REV B



PLAYTIME
START GAME
COIN SW.
RESET
SCORE 1
SCORE 2
CLOCK
COMPOSITE SYNC
V RESET
V BLANKING
V SYNC
H RESET
H BLANKING
H SYNC
NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL J K FLIP-FLOPS ARE 74107
2. ALL D TYPE FLIP-FLOPS ARE 7474
3. ALL DIODES ARE IN914
4. ALL RESISTORS ARE 1/4W CARBON 10%
5. ALL PNP TRANSISTORS ARE 2N3644 OR EQUIVALENT.
6. ALL NPN TRANSISTORS ARE 2N3643 OR EQUIVALENT.

SYM	DESCRIPTION	DRFTG	CHECK	ENGRG
	REVISIONS			
F	REDRAWN FOR CLARITY	[initials]		



INTERPRET THIS DRAWING PER USASI Y14.5	DRAWN BY	DATE 8/5/74
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: FRACTIONS ± 1/16 .x = ±.1 ANGLES ± 1° .xx = ± .03 SURFACE FINISH .xxx = ± .010	CHECKED	8/6/74
	DESIGN ENGINEER	
	PROJECT ENGINEER	
MATERIAL:	DOCUMENT CONTROL	
	APPROVED	

NEXT ASSY | USED ON

APPLICATION

ATARI
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14600 Winchester Boulevard
Los Gatos, California 95030

TITLE SCHEMATIC SPACE RACE

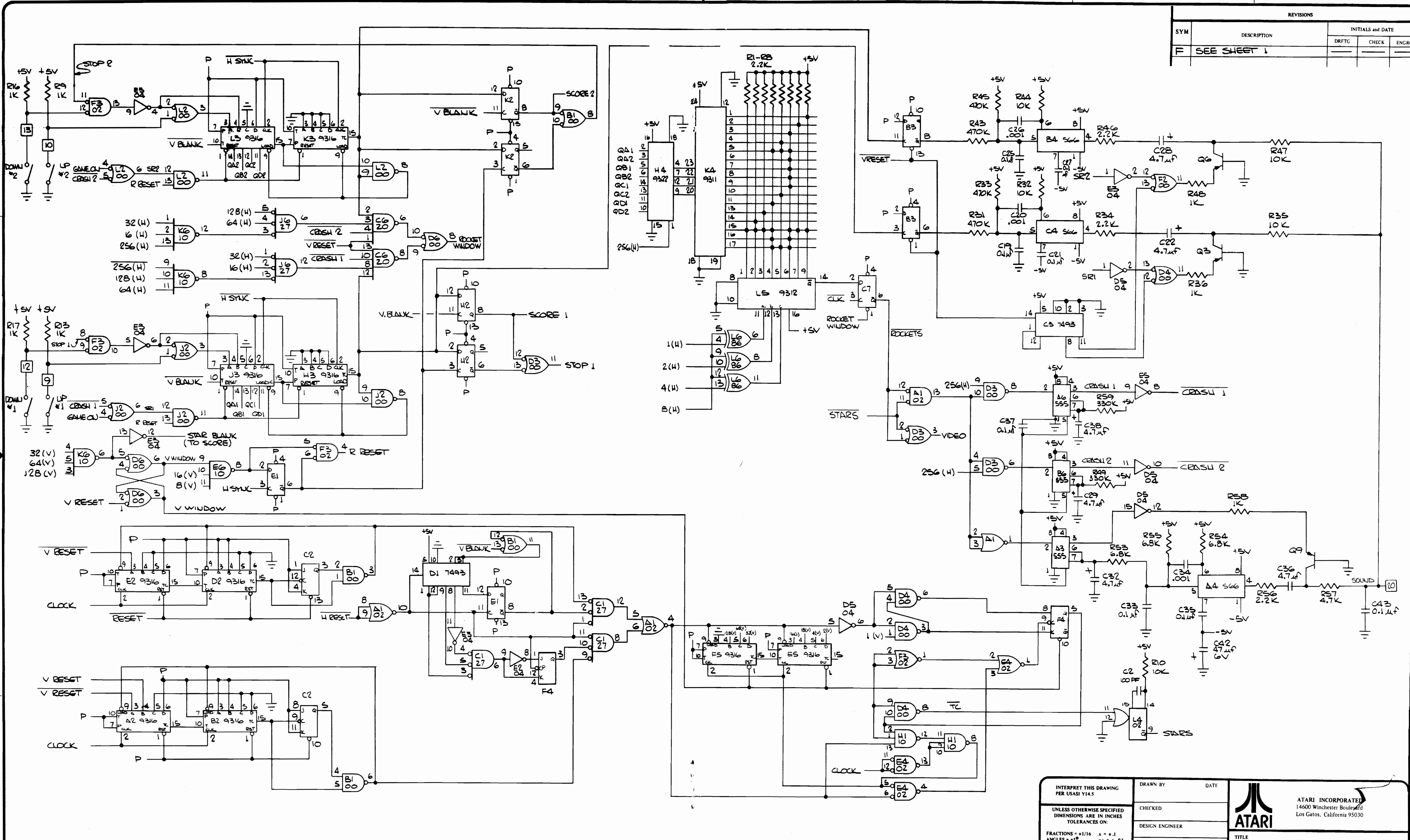
SIZE D | DRAWING NO 000780 | REV F

SCALE | SHEET 1 OF 2

DRAWING NO. 000780 | SHEET 1 | REV F

SYM	DESCRIPTION	DRFTG	CHECK	ENGRG
F	SEE SHEET 1			

REVISIONS — INITIALS and DATE



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NEXT ASSY	USED ON
APPLICATION	

INTERPRET THIS DRAWING PER USASI Y14.5

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:

FRACTIONS = ±1/16 .x = ±.1
ANGLES = ±1° .xx = ±.03
SURFACE FINISH ✓ .xxx = ±.010

MATERIAL:

DRAWN BY — DATE
CHECKED
DESIGN ENGINEER
PROJECT ENGINEER
DOCUMENT CONTROL
APPROVED

ATARI

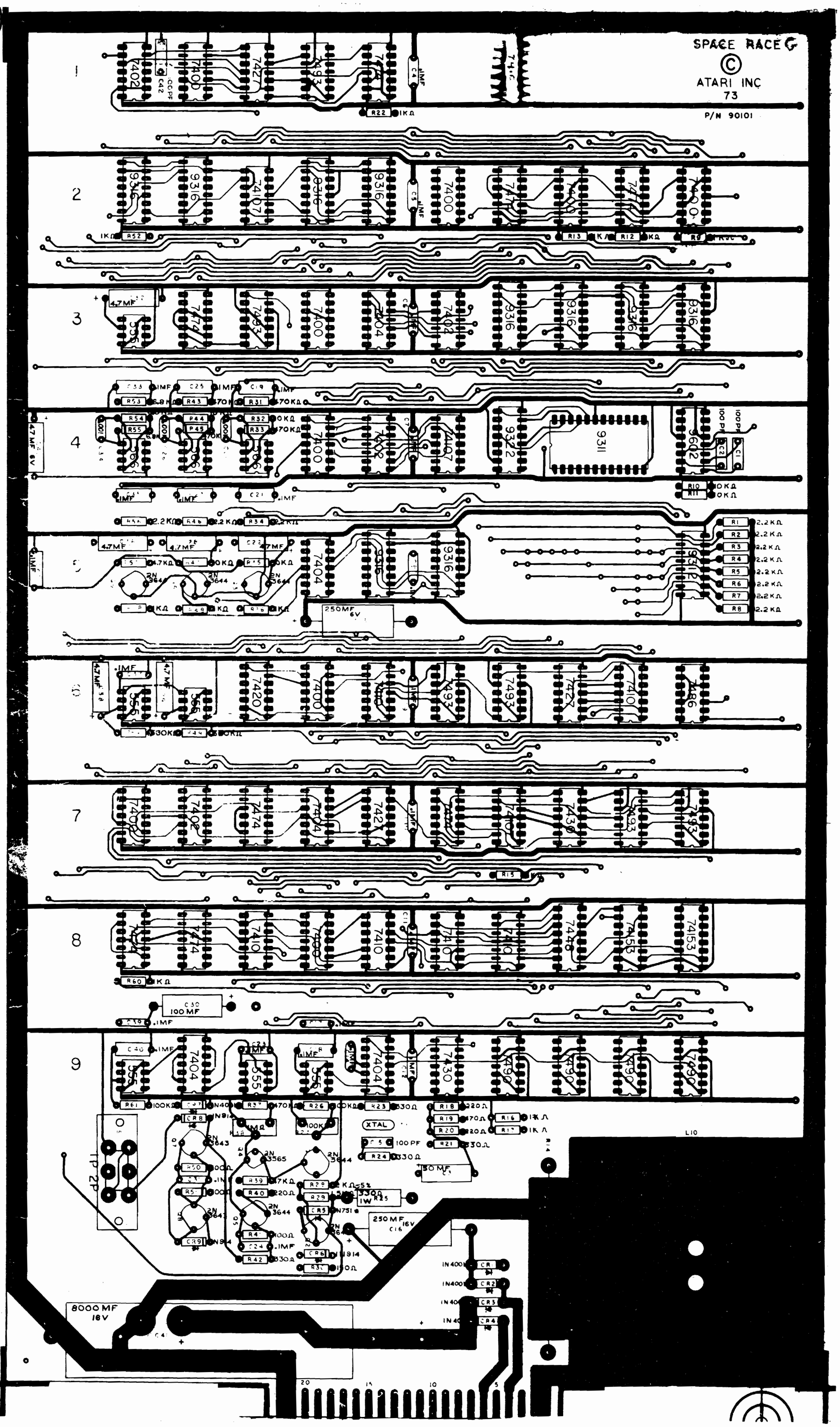
ATARI INCORPORATED
14600 Winchester Boulevard
Los Gatos, California 95030

TITLE: SCHEMATIC DIAGRAM SPACE RACE

SIZE: D — DRAWING NO. 000780 — REV F

SCALE — SHEET 2 OF 2

DRAWING NO. 000780 — SHEET 2 — REV F



COMP VIEW

*USE CR5 OR R28, R29, Q2

Stuffing for SR
000803

ATARI INC
14600 WINCHESTER BOULEVARD,
LOS GATOS, CALIFORNIA 95030

ATARI PARTS LIST SPECIFICATIONS

DRAWING NO. A000803 | DATE | REV F

TITLE

SPACE RACE PRINTED CIRCUIT BOARD ASSEMBLY VP 121

DRAWN | DATE | ENGINEER | DATE

ITEM	PART NO.	QTY	DESCRIPTION
1	72000	9	7400 Integrated Circuit
2	72001	4	7402 " "
3	72002	5	7404 " "
4	72003	7	7410 " "
5	72004	1	7420 " "
6	72006	3	7427 " "
7	72007	2	7430 " "
8	72008	1	7448 " "
9	72010	8	7474 " "
10	72012	1	7486 " "
11	72013	4	7490 " "
12	72014	6	7493 " "
13	72015	3	74107 " "
14	72016	2	74153 " "
15	72023	1	9311/74154 "
16	72024	1	9312/8230 "
17	72017	10	9316 " "
18	72025	1	9322/74157 "
19	72026	1	9602 " "
20	72018	6	555 " "
21	72021	3	566 " "
22	30100	4	100 PF Capacitor, Mica
23	34102	3	.001 MFD Ceramic Bypass Capacitor
24	34101	17	.1 MFD Ceramic Bypass Capacitor
25	32101	9	.1 MFD Capacitor Mylar, $\pm$ 10%, 6V.
26	35502	6	5MFD Capacitor, Electrolytic 10V
27	39100	1	100 MFD Capacitor, Tantalum, 10V 20%
28	35254	1	250 MFD Capacitor Electrolytic, 6V
29	37101	1	250 MFD Capacitor Electrolytic, 16V
30	35473	2	47 MFD Capacitor Electrolytic 6V
31	37100	1	8000 MFD Capacitor Electrolytic 16V
32	10101	3	100 ohm, $\pm$ 10%, 1/4 Watt, Carbon Resistor
33	10151	1	150 ohm, " " " "
34	10221	3	220 ohm " " " "
35	10331	4	330 ohm " " " "

PARTS LIST SPECIFICATIONS

DRAWING NO. A000803 | DATE | REV F

Space Race - PC Board Ass'y

ITEM	PART NO.	QTY	DESCRIPTION
36	10471	1	470 ohm, ± 10%, 1/4 Watt, Carbon Resistor
37	10102	13	1K ohm " " " "
38	10222	11	2.2K ohm " " " "
39	10472	1	4.7K ohm " " " "
40	10682	3	6.8K ohm " " " "
41	10103	6	10K ohm " " " "
42	10473	1	47K ohm " " " "
43	10104	2	100K ohm " " " "
44	10334	2	330K ohm " " " "
45	10474	5	470K ohm " " " "
46	12101	1	100 ohm, ± 10%, 1/2 Watt, " "
47	11152	1	1.5K ohm ± 5%, 1/4 Watt, " "
48	11202	1	2.0K ohm " " " "
49	19100	1	4 ohm, ± 20%, 10 Watt Resistor, Wire Wound
50	22104	1	100K, Trim Pot, PC Mount
51	22105	1	1 Meg., Trim Pot, PC Mount
52	71000	30	1N914 Diode
53	71001	5	1N4001 Diode
54	70000	2	2N3643 Transistor
55	70001	6	2N3644 Transistor
56	70002	1	2N3656 Transistor
57	72019	1	LM309K Voltage Regulator
58	83014	1	Heatsink, Wakefield 680-1.25A
59	84001	a/r	Heatsink Compound (#340 Dow)
60	60000	1	Switch, DPDT Slide, PC Mount
61	81001	1	Crystal, 14.31818 MHZ (HC-25 Case)
62	75100	2	Screw, 6-32 x 5/8 Pan Hd.
63	75101	4	Washer, 6-32 Internal Star Lock
64	75102	2	Washer, 6-32 Flat
65	75103	2	Hex Nut, 6-32
66	90101	1	P. C. Board, Space Race

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